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SEQUENCE LISTING

<110> Powers, Scott
Mu, David
Xiang, Phil
Peng, Yue
Tularik Inc.

<120> Diagnosis and Treatment of Cancer Using Mammalian
Pellino Polypeptides and Polynucleotides

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<140> US 10/041,030

<141> 2001-12-28

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gtcaaattga aaagtttatt tcttcactat tgtacctgtg gaaatacaag ccattttaca 5863

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<210> 4

<211> 420

<212> PRT

<213> Homo sapiens

<220>

<223> human pellino 2

<400> 4

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1 5 10 15
Val Lys Tyr Gly Glu Leu Val Val Leu Gly Tyr Asn Gly Ala Leu Pro
20 25 30
Asn Gly Asp Arg Gly Arg Arg Lys Ser Arg Phe Ala Leu Tyr Lys Arg
35 40 45
Pro Lys Ala Asn Gly Val Lys Pro Ser Thr Val His Val Ile Ser Thr
50 55 60
Pro Gln Ala Ser Lys Ala Ile Ser Cys Lys Gly Gln His Ser Ile Ser
65 70 75 80
Tyr Thr Leu Ser Arg Asn Gln Thr Val Val Glu Tyr Thr His Asp
85 90 95
Lys Asp Thr Asp Met Phe Gln Val Gly Arg Ser Thr Glu Ser Pro Ile
100 105 110
Asp Phe Val Val Thr Asp Thr Ile Ser Gly Ser Gln Asn Thr Asp Glu
115 120 125
Ala Gln Ile Thr Gln Ser Thr Ile Ser Arg Phe Ala Cys Arg Ile Val
130 135 140
Cys Asp Arg Asn Glu Pro Tyr Thr Ala Arg Ile Phe Ala Ala Gly Phe
145 150 155 160
Asp Ser Ser Lys Asn Ile Phe Leu Gly Glu Lys Ala Ala Lys Trp Lys
165 170 175
Asn Pro Asp Gly His Met Asp Gly Leu Thr Thr Asn Gly Val Leu Val
180 185 190
Met His Pro Arg Gly Gly Phe Thr Glu Glu Ser Gln Pro Gly Val Trp
195 200 205
Arg Glu Ile Ser Val Cys Gly Asp Val Tyr Thr Leu Arg Glu Thr Arg
210 215 220
Ser Ala Gln Gln Arg Gly Lys Leu Val Glu Ser Glu Thr Asn Val Leu
225 230 235 240
Gln Asp Gly Ser Leu Ile Asp Leu Cys Gly Ala Thr Leu Leu Trp Arg
245 250 255
Thr Ala Asp Gly Leu Phe His Thr Pro Thr Gln Lys His Ile Glu Ala
260 265 270
Leu Arg Gln Glu Ile Asn Ala Ala Arg Pro Gln Cys Pro Val Gly Leu
275 280 285
Asn Thr Leu Ala Phe Pro Ser Ile Asn Arg Lys Glu Val Val Glu Glu
290 295 300
Lys Gln Pro Trp Ala Tyr Leu Ser Cys Gly His Val His Gly Tyr His
305 310 315 320
Asn Trp Gly His Arg Ser Asp Thr Glu Ala Asn Glu Arg Glu Cys Pro
325 330 335
Met Cys Arg Thr Val Gly Pro Tyr Val Pro Leu Trp Leu Gly Cys Glu
340 345 350
Ala Gly Phe Tyr Val Asp Ala Gly Pro Pro Thr His Ala Phe Thr Pro
355 360 365

Cys Gly His Val Cys Ser Glu Lys Ser Ala Lys Tyr Trp Ser Gln Ile
 370 375 380
 Pro Leu Pro His Gly Thr His Ala Phe His Ala Ala Cys Pro Phe Cys
 385 390 395 400
 Ala Thr Gln Leu Val Gly Glu Gln Asn Cys Ile Lys Leu Ile Phe Gln
 405 410 415
 Gly Pro Ile Asp
 420

<210> 5
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:oligonucleotide
 primer PELD1

<400> 5
 atgttttccc ctggccagga ggaacac 27

<210> 6
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:oligonucleotide
 primer PELD2

<400> 6
 tcagtcaatt ggaccttgga aaattaa 27

<210> 7
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:oligonucleotide
 probe N63226QF to pellino 2 3' untranslated region

<400> 7
 gatgctgaag tcgtctcatt gg 22

<210> 8
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:oligonucleotide
 probe N63226QR to pellino 2 3' untranslated region

<400> 8
 ccagtagttt agcctttgtg gctt 24

<210> 9
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:oligonucleotide
probe N63226QP to pellino 2 3' untranslated region

<220>
<221> modified_base
<222> (1)
<223> n = c modified by 6-FAM

<220>
<221> modified_base
<222> (25)
<223> n = c modified by TAMRA

<400> 9
ngcacagaag gaggcgcatac ataan

25

<210> 10
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:reference probe
TLF7QF representing single copy region in human
genome

<400> 10
ggtctctatt tgcacttggc tgat

24

<210> 11
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:reference probe
TLF7QR representing single copy region in human
genome

<400> 11
ttttcattgt tgaccaagct agaca

25

<210> 12
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:reference probe
TLF7QP representing single copy region in human
genome

<220>
<221> modified_base
<222> (1)
<223> n = t modified by 6-FAM

<220>
<221> modified_base
<222> (29)
<223> n = t modified by TAMRA

<400> 12
nagggcatac tgcctgcata tttcctgcn

29

<210> 13
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 13
Met Phe Ser Pro
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<210> 14
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 14
Pro Val Lys Tyr Gly Glu Leu
1 5

<210> 15
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 15
Val Leu Gly Tyr Asn Gly
1 5

<210> 16
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 16

Leu Pro Asn Gly Asp Arg Gly Arg Arg Lys Ser Arg Phe Ala Leu
1 5 10 15

<210> 17

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 17

Lys Arg Pro Lys Ala Asn Gly Val Lys Pro Ser Thr Val His
1 5 10

<210> 18

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 18

Thr Pro Gln Ala
1

<210> 19

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 19

Lys Ala Ile Ser
1

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 20

Gln His Ser Ile Ser Tyr Thr Leu Ser Arg
1 5 10

<210> 21

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 21

Gln Thr Val Val Val Glu Tyr Thr His Asp
1 5 10

<210> 22

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 22

Thr Asp Met Phe Gln
1 5

<210> 23

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 23

Gly Arg Ser Thr Glu Ser Pro Ile Asp Phe Val Val Thr Asp Thr
1 5 10 15

<210> 24
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 24

Gln Ser Thr Ile Ser Arg Phe Ala Cys Arg Ile
1 5 10

<210> 25

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 25

Thr Ala Arg Ile
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<210> 26

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 26

Ala Ala Gly Phe Asp Ser Ser Lys Asn Ile Phe Leu Gly Glu Lys Ala
1 5 10 15
Ala Lys Trp Lys
20

<210> 27

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 27

Met Asp Gly Leu Thr Thr Asn Gly Val Leu Val Met His Pro Arg
1 5 10 15

<210> 28
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 28
Gly Phe Thr Glu
1

<210> 29
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 29
Trp Arg Glu Ile Ser Val Cys Gly
1 5

<210> 30
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 30
Leu Arg Glu Thr Arg Ser Ala Gln Gln Arg Gly Lys
1 5 10

<210> 31
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 31
Leu Gln Asp Gly Ser Leu Ile Asp Leu Cys Gly Ala Thr Leu Leu Trp
1 5 10 15
Arg Thr Ala

<210> 32
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 32
His Thr Pro Thr
1

<210> 33
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 33
Glu Ala Leu Arg Gln Glu Ile Asn Ala Ala Arg Pro Gln Cys Pro Val
1 5 10 15
Gly

<210> 34
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 34
Asn Thr Leu Ala Phe Pro Ser
1 5

<210> 35
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 35
Glu Lys Gln Pro Trp
1 5

<210> 36
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 36

Cys Gly His Val His Gly Tyr His Asn Trp Gly
1 5 10

<210> 37

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 37

Arg Glu Cys Pro Met Cys Arg
1 5

<210> 38

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 38

Val Gly Pro Tyr Val Pro Leu Trp Leu Gly Cys Glu Ala Gly Phe Tyr
1 5 10 15

Val Asp Ala Gly Pro Pro Thr His Ala Phe
20 25

<210> 39

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 39

Pro Cys Gly His Val Cys Ser Glu Lys
1 5

<210> 40
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 40

Tyr Trp Ser Gln Ile Pro Leu Pro His Gly Thr His
1 5 10

<210> 41

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 41

Phe His Ala Ala Cys Pro Phe Cys Ala
1 5

<210> 42

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amino acid
sequence identity in comparison of pellino 1 and
pellino 2

<400> 42

Leu Ile Phe Gln Gly Pro
1 5